

Los Alamos Neutron Science Center Call for Proposals for 2008 Run Cycle

You are invited to submit a proposal to apply for beam-time at the Los Alamos Neutron Science Center (LANSCE) for the run cycle scheduled to begin on June 5, 2008. The REVISED deadline for submitting the proposals is **6:00 p.m. (1800) Mountain Standard Time, Monday, March 17, 2008**. Successful proposals will be scheduled from June 5 to December 11. Please note that there will only be one proposal call for both the Lujan Neutron Scattering Center and the Weapons Neutron Research Facility in the 2008 calendar year. Because of the long duration of this run cycle, fast access proposals will be accepted throughout; as always, fast access proposals require compelling evidence of sufficient scientific urgency to justify scheduling.

Instruments/flight paths available in the current call for proposals are:

Lujan Neutron Scattering Center

1. Polarized Beam Reflectometer (Asterix)
2. Filter Difference Spectrometer (FDS)
3. High-Pressure Preferred Orientation Diffractometer (HIPPO)
4. Low Q Diffractometer (LQD)
5. Neutron Powder Diffractometer (NPDF)
6. Protein Crystallography Station (PCS)
7. High-Resolution Chopper Spectrometer (Pharos)
8. Spectrometer for Materials Research at Temperature and Stress (SMARTS)
9. Surface Profile Analysis Reflectometer (SPEAR)

Proposals for the following instruments will be accepted with limited beam-time availability:

10. Transmission Spectroscopy (Flight Path 5)
11. High Intensity Powder Diffractometer (HIPD)
12. Single-Crystal Diffractometer (SCD)

Weapons Neutron Research (WNR) Facility

1. Target 1 (Low-energy neutron source):
Flight path 5 (1FP5) – fission, γ -ray measurements, other
Flight path 14 (DANCE) - capture reactions, short-lived samples, fission, γ -ray measurements
Flight path 12 – fundamental neutron physics, other
2. Target 2 (Blue Room) - proton irradiations, lead slowing-down spectrometer, single-pulse experiments
3. Target 4 (High-energy neutron source)
Flight Path 90L (4FP90L) - fission, charged particle reactions
Flight Path 30L (4FP30L) - ICE House, single-event effects
Flight path 15L (4FP15L)
Flight path 15R (4FP15R) - few-body physics, other
Flight path 30R (4FP30R) - FIGARO, (n,z) reactions
Flight path 60R (4FP60R) - GEANIE

Because of their impact on the overall user program, proposals for sole use experiments (i.e., those that require dedicated facility operation) should be discussed with the management of WNR so that policies associated with such experiments and the prospect of them being accommodated can be explained.

Proposal Guidance and Submission

Proposals must be submitted using the process on the LANSCE website; only proposals submitted in this manner will be accepted. To access the proposal submission sites, log onto the LANSCE home page (<http://lansce.lanl.gov/>).

On this page you will find the link "Submit a Proposal." Click on this link and this will take you to the proposal sites for either the Lujan Neutron Scattering Center or WNR Nuclear Science. Click on the site to which you want to

submit your proposal and you will be taken to the on-line submission system.

Detailed instructions for preparing the proposals can be found on the proposal submission sites under "Step-by-Step Guide to Submitting an Online Proposal."

Classified proposals must be submitted in hard copy. They should be submitted to:

Los Alamos National Laboratory
Mail Station 5000
LANSCE User Office c/o MS H803
Los Alamos, NM 87545

or hand-carried to TA-53, Bldg. 1, room D108.

Should you have any questions or require assistance, please contact the LANSCE User Office by e-mail at lansce_users@lanl.gov or by telephone at (505) 665-1010.

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